

WHAT IS CLAIMED IS:

1. DNA encoding a TADG-14 protein selected from the group consisting of:

- (a) isolated DNA which encodes a TADG-14 protein;
- (b) isolated DNA which hybridizes to isolated DNA of (a) above and which encodes a TADG-14 protein; and
- (c) isolated DNA differing from the isolated DNAs of (a) and (b) above in codon sequence due to the degeneracy of the genetic code, and which encodes a TADG-14 protein.

2. The DNA of claim 1, wherein said DNA has the sequence shown in SEQ ID No. 6.

3. The DNA of claim 1, wherein said TADG-14 protein has the amino acid sequence shown in SEQ ID No. 7.

4. A vector capable of expressing the DNA of claim 1 adapted for expression in a recombinant cell and regulatory elements necessary for expression of the DNA in the cell.

5. The vector of claim 4, wherein said DNA encodes a TADG-14 protein having the amino acid sequence shown in SEQ ID No. 7.

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6. A host cell transfected with the vector of claim 4, said vector expressing a TADG-14 protein.

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7. The host cell of claim 6, wherein said cell is selected from group consisting of bacterial cells, mammalian cells, plant cells and insect cells.

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8. The host cell of claim 7, wherein said bacterial cell is *E. coli*.

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9. Isolated and purified TADG-14 protein coded for by DNA selected from the group consisting of:

- (a) isolated DNA which encodes a TADG-14 protein;
- (b) isolated DNA which hybridizes to isolated DNA of (a) above and which encodes a TADG-14 protein; and

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(c) isolated DNA differing from the isolated DNAs of (a) and (b) above in codon sequence due to the degeneracy of the genetic code, and which encodes a TADG-14 protein.

5 10. The isolated and purified TADG-14 protein of claim
d₉ having the amino acid sequence shown in SEQ ID No. 7.

11. A method of detecting expression of the protein of claim 1, comprising the steps of:

(a) contacting mRNA obtained from the cell with the labeled hybridization probe; and

(b) detecting hybridization of the probe with the mRNA.

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